课程名（Coursename）

Molecular Structure and Reactivity I

课程代码（Coursenumber）

5.53

课程对象（Audience）

Graduate

选课前提（prerequisite）

5.13, 5.60

单元（units）

2-0-4

添加至时间表 （add to schedule）

开课教师（Teacher）

G. Fu

学期（Semester）

fall term

课程描述（Description）

Reaction mechanisms in organic chemistry: methods of investigation, relation of structure to reactivity, and reactive intermediates.

备注（notes）

H-level Grad Credit

Subject meets with 5.43

教参信息（Textbookinfo）

1 Computational Advances in Organic Chemistry: Molecular Structure and Reactivity (NATO Science Series C: (closed)) by Cemil Ögretir and Imre G. Csizmadia (Hardcover - Dec. 31, 1990)

Publisher: Springer; 1 edition (December 31, 1990)

ISBN-13: 978-0792310648

2 Modelling Molecular Structure and Reactivity in Biological Systems (Special Publications) by Kevin J. Naidoo, John Brady, Martin J. Field, and Jiali Gao (Hardcover - Nov. 9, 2006)

Publisher: Royal Society of Chemistry; 1 edition (November 9, 2006)

ISBN-13: 978-0854046683

世界各地拥有馆藏的图书馆（OCLC）:132

3 Chemical Kinetics: From Molecular Structure to Chemical Reactivity by Luis G Arnaut, Sebastiao Jose Formosinho, and Hugh Burrows (Hardcover - Jan. 4, 2007)

Publisher: Elsevier Science; 1 edition (January 4, 2007)

ISBN-13: 978-0444521866

世界各地拥有馆藏的图书馆（OCLC）:169

4 Molecular Structure and Energetics, Structure and Reactivity (Molecular Structure and Energetics, Vol 7) (Volume 7) by Joel F. Liebman and Arthur Greenberg (Hardcover - Jan. 10, 1989)

Publisher: Wiley-VCH (January 10, 1989)

ISBN-13: 978-04711

5 Protein Structure: Molecular and Electronic Reactivity (Proceedings in Life Sciences) by Robert Austin, Ephraim Buhks, Britton Chance, and Don De Vault (Hardcover - Sept. 16, 1987)

Publisher: Springer; 1 edition (September 16, 1987)

ISBN-13: 978-0387965673

6 Fluorine-Containing Molecules: Structure, Reactivity, Synthesis, and Applications (Molecular Structure and Energetics, Vol 8) by Joel F. Liebman, Arthur Greenberg, and William R., Jr. Dolbier (Hardcover - May 1989)

Publisher: Vch Pub (May 1989)

ISBN-13: 978-0895737052

7 Molecular Similarity and Reactivity: From Quantum Chemical to Phenomenological Approaches (Understanding Chemical Reactivity) by Ramon Carbó-Dorca (Hardcover - July 31, 1995)

Publisher: Springer; 1 edition (July 31, 1995)

ISBN-13: 978-0792333098

8 Molecular Modeling in Heavy Hydrocarbon Conversions (Chemical Industries) by Michael T. Klein, Gang Hou, Ralph Bertolacini, and Linda J. Broadbelt (Hardcover - Sept. 28, 2005)

Publisher: CRC Press; 1 edition (September 28, 2005)

ISBN-13: 978-0824758516

世界各地拥有馆藏的图书馆（OCLC）:83

9 Stochastic Dynamics of Reacting Biomolecules by Werner Ebeling, Lutz Schimansky-Geier, and Yuri M. Romanovsky (Hardcover - Feb. 2003)

Publisher: World Scientific Publishing Company (February 2003)

ISBN-13: 978-9812381620

世界各地拥有馆藏的图书馆（OCLC）:76

10 Organic Chemistry, Fourth Edition: Structure and Function by K. Peter C. Vollhardt and Neil E. Schore (Hardcover - Aug. 6, 2002)

Publisher: W. H. Freeman; Fourth Edition edition (August 6, 2002)

ISBN-13: 978-0716743743

世界各地拥有馆藏的图书馆（OCLC）:131